Claims

1. Process for the synthesis of 3,5-diamino-6-(2,3-dichlorophenyl)-1,2,4-triazine of formula (I) using 2,3-dichlorobenzoyl cyanide and an aminoguanidine salt as starting materials characterized by reacting the 2,3-benzoyl cyanide of formula (II) with 1-2 mol equivalent of aminoguanidine salt in 3-6 mol equivalent of methanesulfonic acid, then transforming the obtained adduct of formula (IV) without isolation into the product with magnesium oxide, and in given case recrystallizing the so obtained crude product from a proper organic solvent.
2. The process according to claim 1, characterized by using the dimesylate salt of aminoguanidine of formula (III) as aminoguanidine salt.
3. The process according to claim 2, characterized by using 1.3 mol equivalent of aminoguanidine dimesylate of formula (III).
4. The process according to claim 1, characterized by using 4.2 mol equivalent of methanesulfonic acid.
5. The process according to claim 1, characterized by carrying out the cyclization reaction in the presence of 2-4 mol equivalent of magnesium oxide.
6. The process according to claim 5, characterized by using 3.75 mol equivalent of magnesium oxide in the cyclization reaction.
7. The process according to claim 1, characterized by using acetone for the recrystallization.
8. Aminoguanidine dimesylate of formula (III).